

What is claimed is:

1. A non-toxic, malleable modeling compound comprising:

(a) about 4.0 to 30.0 percent by total weight of a butyl rubber; and

5 (b) about 4.0 to 30.0 percent by total weight of a vulcanized vegetable oil.

2. The modeling compound of claim 1 further comprising about 25.0 to 60.0 percent by total weight of a filler;

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3. The modeling compound of claim 1 further comprising about 5.0 to 15.0 percent by total weight of a softening agent.

4. The modeling compound of claim 1 further comprising about 0.2 to 3.0

15 percent by total weight of an antioxidant.

5. The modeling compound of claim 1 further comprising 3.0 to 15.0 percent total weight of a paraffinic oil.

20 6. The modeling compound of claim 1 further comprising 0.3 to 5.0 percent total weight of titanium dioxide.

7. The modeling compound of claim 1 wherein said butyl rubber is bromobutyl rubber.

8. The modeling compound of claim 1 further comprising 0.01 to 2.0 percent total weight of a coloring agent.

9. The modeling compound of claim 1 further comprising 0.2 to 0.6 percent total weight of a fragrance.

10. The modeling compound of claim 2 wherein said filler is selected from a group consisting of carbonate and kaolin fillers.

11. The modeling compound of claim 3 wherein said softening agent is corn oil.

12. The modeling compound of claim 4 wherein said antioxidant is selected from a group consisting of phenolic antioxidants.

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13. A process for producing a non-toxic, malleable modeling compound comprising the steps of:

20 (a) admixing on low speed in an internal mixer until thoroughly blended a pre-mixture including:

- 25 - about 4.0 to 30.0 percent total composition weight of a butyl rubber;
- about 0.2 to 3.0 percent total composition weight of an antioxidant;
- about 0.3 to 5.0 percent total composition weight of titanium dioxide;
- 30 - about 2.7 to 13.5 percent total composition weight of paraffinic oil;

- about 0.2 to 1.5 percent total composition weight of a vulcanized vegetable oil; and

5 - about 1.25 to 3.0 percent total composition weight of a filler.

(b) thoroughly mixing to about 50.0 percent of the pre-mixture obtained during  
10 step (a):

- about 3.8 to 28.5 percent total composition weight of a vulcanized vegetable oil;

15 - about 23.75 to 57.0 percent total composition weight of a filler material;

- about 5.0 to 15.0 percent total composition weight of a softening agent;

20 - about 0.3 to 1.5 percent total composition weight of a paraffinic oil;

(c) combining the remaining pre-mixture obtained during step (a) with the total  
25 mixture produced during step (b) and blending until thoroughly mixed.

14. The process of claim 13 further comprising the step of adding about 0.01  
30 to 2.0 percent total composition weight of a coloring agent.

15. The process of claim 13 further comprising the step of adding about 0.2 to  
35 0.6 percent total composition weight of a fragrance.

16. A process for producing a non-toxic, malleable modeling compound  
40 comprising the steps of:

(a) Admixing on low speed in an internal mixer until thoroughly blended a pre-  
mixture including:

45 - about 17.0 to 19.0 percent total composition weight of butyl rubber;

- about 0.3 to 0.4 percent total composition weight of an antioxidant;
- about 2.0 to 4.0 percent total composition weight of titanium dioxide;
- about 9.0 to 10.8 percent total composition weight of paraffinic oil;
- about 0.85 to 0.95 percent total composition weight of a vulcanized vegetable oil; and
- about 2.05 to 2.15 percent total composition weight of a filler.

(b) thoroughly mixing to about 50.0 percent of the pre-mixture obtained during step (a):

- about 16.15 to 18.05 percent total composition weight of a vulcanized vegetable oil;
- about 38.95 to 40.85 percent total composition weight of a filler material;
- about 7.0 to 9.0 percent total composition weight of a softening agent;
- about 1.0 to 1.2 percent total composition weight of a paraffinic oil;

(c) combining the remaining pre-mixture obtained during step (a) with the total mixture produced during step (b) and blending until thoroughly mixed.

17. The process of claim 16 further comprising the step of adding about .05 to 0.1 percent total composition weight of a coloring agent.

18. The process of claim 16 further comprising the step of adding about 0.2 to 0.4 percent total composition weight of a fragrance.